BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Office of the Executive Engineer
Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

"Schedule B"

Name of Work :- Annual Maintenance and Repairs of Electrical Installations to BBMP buildings coming under Yelahanka Constituency.

Sl. No	Qty	Description Of Work	Unit	Quoted Rates	
				In figures	In words
1	200	Licenced electricial wiremen with tools (Skilled) Rs.718.33/KAE 69 LMW 2022, dated 30-11-2022 Minium Wages and VDA From 01-04-2024 to 31-03-2024	Days	847.63	Eight Hundred Forty Seven Rupees and Sixty Three Paise
2	200	Assistant wiremen (semiSkilled) Rs689.05/Days KAE 69 LMW 2022, dated 30-11-2022 Minium Wages and VDA From 01-04-2024 to 31-03-2024	Days	813.01	Eight Hundred Thirteen Rupees and One Paisa
3	30	Supplying And fixing/replacing of 6/16/32A electrical accessories on existing switch board..6Amps SP Switch	No	50.00	Fifty Rupees
4	15	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6Amps 6A Three Way socket	No	150.00	One Hundred Fifty Rupees
5	5	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.6 Amps bell push	No	200.00	Two Hundred Rupees
6	10	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6/16A Universal Socket	No	250.00	Two Hundred Fifty Rupees
7	10	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.16A One Way Switch	No	200.00	Two Hundred Rupees
8	10	Supplying and fixing 32A security and energy saving DP switch with key tag suitable to operate on 230 V, 50Hz AC supply & completely wired on existing box.	No	792.00	Seven Hundred Ninety Two Rupees
9	10	Supplying And fixing/replacing of 6/16/32A electrical accessories on existing switch board.6A Bakelite Ceiling Rose	No	92.00	Ninety Two Rupees
10	15	Supplying And fixing/replacing of 6/16/32A electrical accessories on existing switch board.Electronic stepped regulator.	No	240.00	Two Hundred Forty Rupees
11	40	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, junction box, elbows, screws at an interval of 300mm .... etc. as required.20mm	m	33.00	Thirty Three Rupees
12	30	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, junction box, elbows, screws at an interval of 300mm .... etc. as required.25mm	m	40.00	Forty Rupees
13	5	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs,Machine/NF screws etc., complete.3 Way	Each	140.00	One Hundred Forty Rupees
14	8	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.4-5Way	Each	150.00	One Hundred Fifty Rupees
15	5	Supplying and fixing surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates with due groove cutting in Brick/C.C wall, including necessary rawl plugs, Machine/NF screws etc., complete.6Way	Each	200.00	Two Hundred Rupees

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16	8	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.3 Module	Each	156.00	One Hundred Fifty Six Rupees
17	8	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.4 Module	Each	200.00	Two Hundred Rupees
18	5	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.6 Module	Each	276.00	Two Hundred Seventy Six Rupees
19	15	Supplying And fixing/replacing of 6/16/32A electrical accessories on existing switch board.6Amps one way Switch	No	64.00	Sixty Four Rupees
20	8	Supplying And fixing/replacing of 6/16/32A electrical accessories on existing switch board.6A Three Way 5 Pin Socket	No	80.00	Eighty Rupees
21	5	Supplying And fixing/replacing of 6/16/32A electrical accessories on existing switch board.Electronic stepped regulator.	No	332.00	Three Hundred Thirty Two Rupees
22	10	Supplying And fixing/replacing of 6/16/32A electrical accessories on existing switch board.16/6A combined plug and socket with control switch	No	260.00	Two Hundred Sixty Rupees
23	8000	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc., and fixing on existing wooden or metal box using N.F. screws.	cm^2	0.48	No Rupees and Forty Eight Paise
24	1	Supplying of Switch disconnector fuse unit (TPN) HRC type (but without HRC fuses). With AC-23A duty and as per IS- 13947.100 Amps	Each	5400.00	Five Thousand Four Hundred Rupees
25	1	Supplying of Switch disconnector fuse unit (TPN) HRC type (but without HRC fuses). With AC-23A duty and as per IS- 13947.160 Amps	Each	7400.00	Seven Thousand Four Hundred Rupees
26	5	Supplying and fixing HRC fuse units base on existing switch/ panel board.100 to 300 Amps	Each	1100.00	One Thousand One Hundred Rupees
27	2	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947.120 A	Each	26643.22	Twenty Six Thousand Six Hundred Forty Three Rupees and Twenty Two Paise
28	2	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit in Thermal Magnetic Release. Micro processor release shall have Earth Fault as per IS-13947. (Icu=100% Ics). In 4P MCCB, all Poles should have protection for Short-Cicrcuit/Over Load.For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism.FOUR POLE100Amps 25kA.	Each	10014.66	Ten Thousand Fourteen Rupees and Sixty Six Paise
29	1	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit in Thermal Magnetic Release. Micro processor release shall have Earth Fault as per IS-13947. (Icu=100% Ics). In 4P MCCB, all Poles should have protection for Short-Cicrcuit/Over Load.For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism.FOUR POLE 125 A 25 kA.	Each	12000.00	Twelve Thousand Rupees

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30	6	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.6-32Amps SP	Each	489.00	Four Hundred Eighty Nine Rupees
31	3	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.6-32 Amps DP	Each	870.00	Eight Hundred Seventy Rupees
32	3	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.40 Amps TPN	Each	3200.00	Three Thousand Two Hundred Rupees
33	3	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 230/440VAC. 50 Hz 12/24V D.C.	Each	600.00	Six Hundred Rupees
34	10	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system.48" Sweep (1200mm) Regular model	Each	3500.00	Three Thousand Five Hundred Rupees
35	8	Supplying wall mounting fan suitable to operate at single- phase 230v A.C. supply.400mm Sweep	Each	2900.00	Two Thousand Nine Hundred Rupees
36	1	Supplying, installation, testing & commissioning of 12V DC, AH batteries in poly propylene container for U.P.S. Sealed maintenance free batteries.150 AH capacity	Each	18756.00	Eighteen Thousand Seven Hundred Fifty Six Rupees
37	20	Supplying of .....feet -PVC Batten with integrated LED tube .... W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V@ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition.LED light fitting 1 x 4' - 36/40 W	Each	1497.00	One Thousand Four Hundred Ninety Seven Rupees
38	25	Supplying of recess mounting non integrated type LED down light ..... W luminaire comprising of pressure decast/ extruded aluminium housing, with spring loaded false ceiling clamps, LED of Power/COB with CCT 6500 degree K, CRI> 70%. efficacy >100 lumen per watt, 120degree beam spread, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The lamp compartment is enclosed with anti glare opal diffuser which enhances the lighting level. LEDs are driven by HF electronic driver integrated in a separate control gear assembly., with PF > 0.95, power loss should < 5% of lamp wattage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to 275 volts. BIS Approved and Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition.15-18W	Each	1400.00	One Thousand Four Hundred Rupees
39	25	Supply of round/square recess/surface mounted rolling type LED Down light with .....W GU 10 LED Lamp Rib Fabricated from Die cast aluminium with white powder coated prewired to mains connector & has swiveling unit of aluminium die cast eye ball & LED Lamp position retained by circular wire spring, with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition LED square or round down light 15-18W	Each	1400.00	One Thousand Four Hundred Rupees
40	5	Supplying and fixing one of 230 volts bell or buzzer and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws.	Each	223.00	Two Hundred Twenty Three Rupees

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41	3	Supplying and fixing one of 230 V Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws with Remote.Musical	Each	512.00	Five Hundred Twelve Rupees
42	3	Supplying and fixing one of 230 V Ding dong bell and a flush type bell push with gang box fixed on necessary wooden or rawl plugs using NF screws with Remote.Remote	Each	1404.00	One Thousand Four Hundred Four Rupees
43	10	Rewinding a ... mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac,etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing.1200MM	Each	902.00	Nine Hundred Two Rupees
44	30	Supplying and fixing of T8 36/40W Fluorescent Tube with 36W power consumption with initial lumen of 2750 (3000 deg K / 4000 deg K) with rated avg life of greater than 10000 hrs.Operating voltage range from 180V to 265V. 50Hz AC power Supply	Each	74.00	Seventy Four Rupees
45	25	Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes : Supplying and fixing of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes, Class H Insulated copper wire, Vacuum impregnated high quality with Low loss silicon steel lamination operated on 240V,50Hz supply with IEC 60920 (Safety) & IEC 60921(Performance). Operating voltage range from 180V to 265V, 50Hz AC power Supply.	No	345.00	Three Hundred Forty Five Rupees
46	40	Supplying & Fixing of 230 Volts 20/40 watts starter for Fluorescent Lamp	No	35.00	Thirty Five Rupees
47	24	Supplying & Fixing of 230 Volts 20/40 watts Fluorescent Lamp holder	No	38.00	Thirty Eight Rupees
48	10	Supplying & fixing LED Drivers suitable for 5700K LED fitting Indoor Fixtures. Operating voltage range from 180V to 265V, 50Hz AC power Supply 9W to 12W 5700K suitable for indoor LED fitting.	Each	495.00	Four Hundred Ninety Five Rupees
49	7	Supplying & fixing LED Drivers suitable for 5700K LED fitting Indoor Fixtures. Operating voltage range from 180V to 265V, 50Hz AC power Supply 15W to 18W 5700K suitable for indoor LED fitting.	Each	720.00	Seven Hundred Twenty Rupees
50	5	Supplying, erecting, testing and commissioning of voltage stabilizer suitable for 170 to 270 v in put and load variation from no load to full load, with over load protection, spike suppression, operating at 00 C to 400 C. Range etc., complete.4KVA Capacity	Each	5654.00	Five Thousand Six Hundred Fifty Four Rupees
51	0.180	Laying of cable in Existing Trench/GI pipe/Stone Ware/RCC Hume pipe using Wooden/Aluminum Rollers as directed by the departmental staff LT Cable 35 to 95 Sqmm	KM	33000.00	Thirty Three Thousand Rupees
52	0.180	1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-3975.25 Sqmm, 35 Sqmm, 3.5 Core, (14 GI Strips - 4 x 0.8 mm)	KM	145000.00	One Lac Forty Five Thousand Rupees

I am prepared to take up the above work at rates quoted in the Schedule 'B'

For JAICAB ELECTRICALS

Contractor Proprietor

EXECUTIVE ENGINEER (ELEC)
BBMP, Yelahanka Zone